

April 19, 1989

SDMS Document



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Chief, Site Investigation and Compliance Branch  
Emergency and Remedial Response Division  
U.S. Environmental Protection Agency  
26 Federal Plaza  
New York, New York 10278

Attention: SCP - Carlstadt Project Officer

Dear Sir:

Attached is the March 1989 Progress Report for the RI/FS project at the SCP Carlstadt Site. This report has been prepared by Dames & Moore, on behalf of the Committee representing the respondents named in the Administrative Order on Consent No. II CERCLA-50114, in accordance with Paragraph 28B of the Order.

The operable Unit One FS was transmitted to EPA on April 5, 1989. Some appendices (e.g. treatability test reports, ACL calculation protocols) will be submitted later.

In a meeting with the Agency on April 14, 1989, it was requested that the results of evaluation of the preliminary data for POP revisions 8 and 9 be documented; so far these results have been presented orally. The reports of the results are not yet ready for publication, but will be transmitted as soon as they are ready.

Very truly yours,

H. G. Weil

HGW/smd/394+

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## ATTACHMENT 1

### SCP RI/FS PROGRESS REPORT MARCH, 1989

#### PROGRESS AND STATUS

1. The pump test of the on-site bedrock well, initiated on February 28, was completed on March 1. The test was cut short when a rapid response in the adjacent till well was observed. The total duration of the test was eight hours instead of the planned 24 hours. At the completion of the test, a water sample was collected from the bedrock well for volatile organic analysis.
2. The EPA was notified in mid-March that preliminary laboratory data for the bedrock aquifer indicated the presence of three volatile organic compounds. These preliminary data, along with raw geophysical data for the borehole, were transmitted to the EPA on March 17.
3. At a March 31 meeting with the EPA, a program to further investigate the till and bedrock aquifers was discussed. The EPA requested that a firm proposal be developed and presented at a subsequent meeting, which was scheduled for April 14.

#### TECHNICAL ISSUES

The bedrock well pump test was suspended after eight hours because of the rapid response of the till aquifer in the vicinity of the pumped well. At the time, it was thought that a longer-duration pumping test might draw

additional VOCs into the bedrock aquifer. However, the preliminary analytical data on the bedrock aquifer water quality before and after the pump test indicate that the levels of VOCs decreased at the completion of the pump test. This suggests that future pump tests (if any) can be conducted for their designed duration.

Also worthy of note is that the water table aquifer did not respond to pumping of the bedrock aquifer (based on the monitoring results for three water table aquifer wells and piezometers).

#### SCHEDULE

The combined POP 8/POP 9 program continues to be at least 2.5 weeks ahead of schedule, based on the October 19, 1988 proposed schedule transmitted to the EPA. This schedule also indicates a May 29 submittal of data to the EPA. Since the preliminary data were made available to the EPA in mid-March, and plans are being developed for subsequent investigations, this project is actually more than ten weeks ahead of schedule.

#### PLANNED ACTIVITIES - APRIL 1989

1. Continue preparation of additional QA/QC documentation for the laboratory analytical reports.
2. Continue the evaluation of hydrogeologic information collected during the investigations.
3. Develop plans for subsequent investigations for a scheduled April 14 meeting with the EPA.

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